KULAYEV, Yu.F., inzh. (g.Chelyabinsk)

Use of electric traction in local operations. Zhel.dor.transp. 42 no.12:63-64 D '60. (MIRA 13:12) (Chelyabinsk Province—Electric railroads)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000927330001-6"

KULAYEV, Yu. F., inzh. (Swerdlovsk)

Establishment of electric power expenditure standards on the traction of mixed and transfer trains. Elek. i tepl. tiaga 6 no.9:11-12 S '62. (MIRA 15:10)

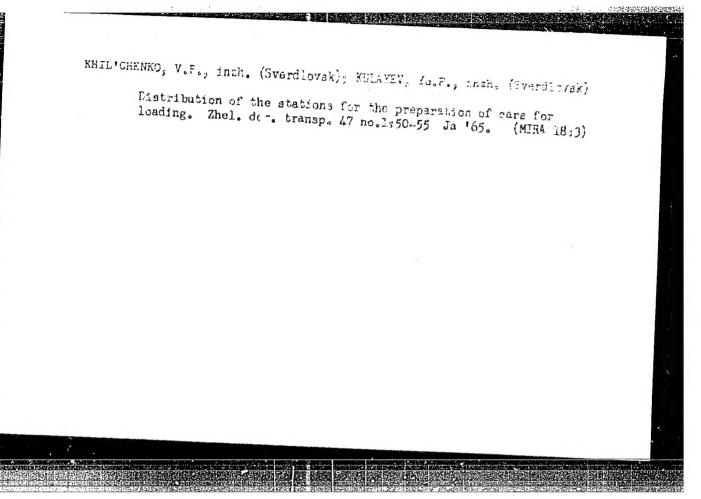
(Electric railroads-Current supply)

KULAYEV, Yu.F, inzh.

Effectiveness of the use of electric locomotives in the local operations of the Ural railroads. Trudy TSNII MPS no.266:65-102 '63.

(MIRA 17:2)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000927330001-6"



PERIODICAL ABSTRACTS

Sub.: USSR/Engineering

AID 4188 - P

KULAYEVA, A. F.

ATSETILENO-KISLORODNAYA SVARKA LATUNI L62 PRISADOCHNYM MATERIALOM LK62-05 (Oxy-Acetylene Welding of L62 Brass with the LK62-05 Welding Admixtures). Svarochnoye proizvodstvo, no. 1, Ja 1956: 30-31.

The author describes the experience with this method of welding at the Sumy Machine-Building Plant im. Frunze, where it was adapted in the welding of rotors for the centrifugal machines manufactured there. The practice effected great savings of time (reduction was achieved from 52.72 norm/hours for one piece production to 8.49 norm/hours) and significant improvements in the quality and strength of the welding. Two macrostructure and microstructure pictures of a seam, 1 table and sketch.

BONDAREV, A.A., KULAYEVA, A.F., MIKHAYLICHENKO, M.P.

Advanced methods for machining instrument parts. Avtom. i prib. no.2:
63-66 Ap.Je '65.

(MIRA 18:7)

GANELIN, Georgiy Zalmanovich; KULAYEVA, Inna Georgiyerna; IVANOV,
B.N., red.

[Multiple connection switches] Perekliuchatali parallelnykh soedinenil (PPS). Leningrad, 1965. 21 p.

(MIRA 18:10)

DOVNAR-ZAPOL'SKAYA, Nadezhda Markianovna; KOROLEVA, Nadezhda Sergeyevna; KULAYEVA, Lyudmila Iosifovna; LUPANDINA, Ol'ga Sergeyevna; NEMILOVA, Tat'yana Konstantinovna [deceased]; OSTROVSKAYA, Al'ma Yul'yevna, dotsent, red.; GORDEYEVA, L.N., red.; YERMAKOV, M.S., tekhn.red.

[German-Russian mechanical and mathematical dictionary] Nemetakorusskii mekhaniko-matematicheskii slovar. Pod red. IU.A.Ostrovakoi.
Moskva, Izd-vo Mosk.univ., 1960. 236 p. (MIRA 13:9)
(German language-Dictionaries-Russian)
(Mathematics-Dictionaries) (Mechanics-Dictionaries)

THE RESIDENCE OF THE PARTY OF T

GRABENKO, A.D.; PEL'KIS, P.S.; KULAYEVA, L.N.

Substituted arylamides of dithioacids. Part 4: Preparation of amides of substituted arylamides of dithiomalonic acid. Zhur.ob. khim. 32 no.7:2248-2254 Jl 162. (MIRA 17:7)

1. Institut organicheskoy khimii AN USSR. (Amides) (Malonic acid)

ACC NR: AP6023579

SOURCE CODE: UR/0409/66/000/003,0364/0367

AUTHOR: Grabenko, A. D.; Kulayeva, L. N.; Pel'kis, P. S.

ORG: Institute of Organic Chemistry, Academy of Sciences, UkrSSR, Kiev (Institut organichoskoy khimii Akademii nauk UkrSSR)

TITLE: Investigation of substituted amides of thiocarboxylic acids VII. Cyclization of arylamides of mono- and dithiomalonic acid derivatives

SOURCE: Khimiya geterotsiklicheskikh soyedineniy, no. 3, 1966, 364-367

TOPIC TAGS: thiazole, heterocyclic compound, condensation reaction, cyclination, malic acid
ABSTRACT:

The purpose of this work was the search for new physiologically active derivatives of thiazole. The ethyl esters of arylamides of monothiocyanomalonic acid react with w-bromoacetophenone in absolute ethanol to yield 2-carbethoxycyanomethylene-3-aryl-4-phenylthiazoles. Unlike the starting

Card 1/5

UDC: 547.789.5.542.952.52

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	Table 1. HaCe C N Cooc HaR HC S C = C(CN)COOC Ha								
	M.	R .	T. mp.,	Formula	Found S, Z	Calculated	Yield,		
	1 2 3 4 5 6 7	H p-CH ₃ O M-Cl p-NH ₃ SO ₂ p-C ₁ H ₃ OOC p-NO ₃	>240 207 188 210 >240 218 180	C20H16O2N1S C21H16O2N2S C21H16O2N2S C20H16O2N2S C20H16O2N2S C20H17O4N2S C20H30O4N2S C22H30O4N2S C20H16O4N3S	9.23; 9.28 5.70; 8.65 8.79; 8.87 6.42; 8.42; 8.40 7.63; 7.51	9.19 8.86 8.47 8.36 14.98 7.62	94 90 81 85 58 91		
or wit	h 60	% sulfuric	acid.	Reaction of	erbethoxycy with aqueo diethyl es acetophenon en the reac	us or alc ters of a	ene der oholic rylamid	KOH es	
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		f	1 /	Table 2	?. −c ₆ H ₄ R =chcooc ₂ H ₅	• • •			
	ж	R	T. mp.,	Pormula	Found s. %	Calculated 5. %	Yield,		
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	. 10	shortene	i, or the	arbethoxyme	ethylene-3-	aryl-4-phe	nylthia	zoles 🖔	
at 1 are	coom form	ed. On l	reating fo	r 3—4 hour rhethoxymet	rs, 1088 of thylene-3-a	a carbeth ryl-4-phen	oxy gro ylthia:	oup re-	-
at 1 are	coom form	ed. On l	reating fo	r 3—4 hour rhethoxymet	rs, 10ss of thylene-3-a	a carbeth	oxy gro	oup re-	
at mare	coom form	ed. On l	reating fo	r 3—4 hour	rs, 1088 of thylene-3-a	'a carbeth	oxy gro	oup re-	

	yield dithi	s exc	lusively	monobro	dithiomalor nides of 3,	3'-diaryl-	4,4'-dipl	ieny1-2-	methine-		
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GRABENKO, A. D.; PELIKIS, P. S.; KULAYEVA, L. N.

Substituted arylamides of dithiocarboxylic acids. Part 5: Amides of substituted arylamides of phenylazothiomalonic acid. Zhur. ob. khim. 33 no.1:118-120 '63.

(MIRA 16:1)

1. Institut organicheskoy khimii AN UkrSSR.

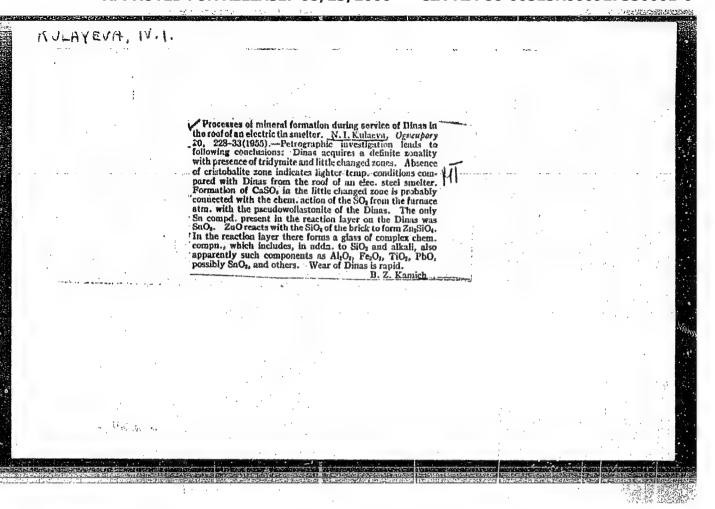
(Malonamide) (Substitution(Chemistry))

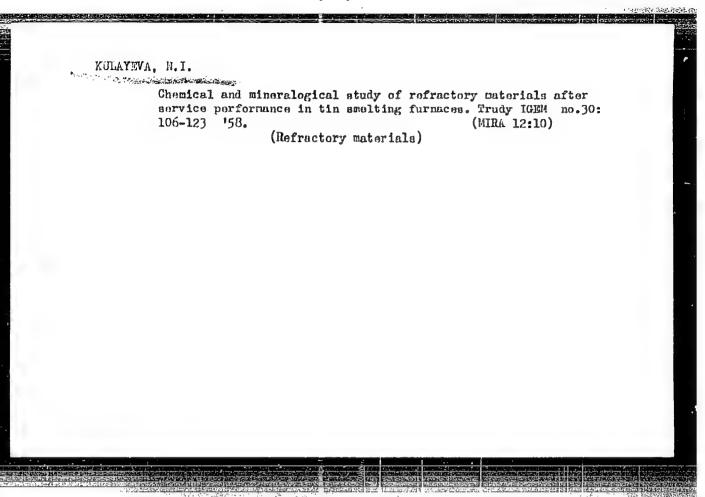
GRABENKO, A.D.; KULAYEVA, L.N.; PEL'KIS, P.S.

Substituted aryl amides of dithiocarboxylic acids. Part 6: Synthesis of aryl azo derivatives of monothiomalonic acid aryl amides and their esters. Zhur.ob.khim. 33 ro.7:2227-2231 Jl '63.

(MIRA 16:8)

1. Institut organicheskoy khimii AN UkrSSR.
(Malonamide) (Azo compounds)





USSR/Plant Physiology - Respiration and Metabolism.

I.

Abs Jour : Ref Zhu

: Ref Zhur - Biol., No 21, 1958, 95627

Author

: Kursanov, A.L., Kulayeva, O.N.

Inst Title

: Metabolism of Organic Acids in the Roots of Cucurbita L.

Orig Pub

: Fiziol. rasteniy, 1957, 4, No 4, 322-331

Abstract

: In an other extract of the roots and in the lymph of young plants of the Mozoleyevskaya variety of Cucurbita L., which were raised in a full nutrient mixture and in solutions without P, the organic acids and ketoacids were determined by paper chromatography. Root fixation of CO₂ was studied by means of calculating the radioactivity of an alcohol extract after absorption of carbonate by the roots (0.005 n. of NaHCl¹⁰) with activity of 20 Acuries in 300 ml). The radioactivity of each separate organic acid was determined after their chromatographic dividion. On the basis of the results obtained, the authors conclude that the

Card 1/3

- 10 -

USSR/Plant Physiology - Respiration and Metabolism.

I.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 95627

the roots into the organs above ground. The work was carried out at the Institute of Plant Physiology AS USSR. Bibliography, 53 titles. -- N.P. Karobleva

Card 3/3

USSR / Flent Physiology. Mineral Mutrition.

I -2

Abs Jour : Ref Shur - Bio.., No 22, 1958, No 99925

Author

: Kulcyova, O. N.; Siline, Ye. I.; and Kursenov, A. L.

Inst

: Instute of Flant Physiology, AS USSR

Titla

: Meys of Frimery Assimilation of Ammonical Hitrogen in

the Roots of Fumpkin.

Crig Fub

: Fiziol. Restonly, 4, No 6, 520-528, 1957

Abstract

: In the Institute of Physiology, Academy of Sciences USSR, plants were grown in equeous cultures on complete nutrient mixture, nutrient mixture without F at the beginning of experiment but with a short-time F nutrition at the end of the experiment, and nutrient mixture without F throughout the whole experiment. The method of chromotography of paper was used to investigate the composition of free amine acids in the roots and juice of pumpkin. Upon feeding of plants

Cord 1/2

USSR / Float Thysiology. Mineral Nutrition.

1.2

Abs Jour : Ref Zhur - Biol., No 22, 1958, No 99925

with NrHCl 4 0 $_5$ through roots, Cl 4 was detected in the composite sition of root crino soids, which indicates the synthesis of these reids directly in the roots. In the roots there predominated rlanine, Y-crinobutyric said, and glutarine; oltogether, 18 cmine coids were detected. The omine coid composition of the roots is similar to that of the juice. The principal transport forms of NH2 groups in the pumpkin word found to be alanino, glutamine and & aminobutyric seid. The phosphorus struction caused on scute derengement of the mitrogen metabolism in the roots of pumpkin + there occurred a decrease in the assimilation of armonical N by the roots, synthesis of a number of spine acids, and protein formation, and there appeared unidentified sub-tancos with guanidino grouping and allantoin, i. c., compounds with a high content of N in the molecule, the recumulation of which is not characteristic of the normal metabolis, in the pumpkin. Short tire phosphorus feeding reestablished norvaley in the plants. Bibl., 19 titles. .. G. V. Udovanko.

C-rd 2/2

9

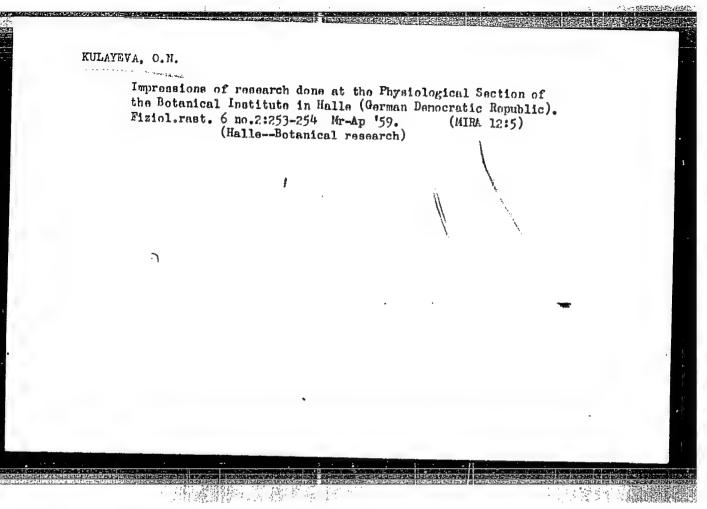
BORODULINA, F.Z., KULAYEVA, O.H.

Some specific features of the water cycle in oak seedlings on saline soils. Nauch.dokl.vys.shkoly; biol.nauki no.1:162-167 '58 (MIRA 11:8)

1. Predstavlena kafedroy fiziologii rasteniy Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova.

(OAK) (ALKALI LANDS) (PLANT PHYSIOLOGY)

KULAYEVA, O. N., Candidate of Biol Sci (diss) -- "The metabolism of the roots of the melon in connection with the assimilation of ammonia nitrogen". Morcow, 1959. 21 pp (Inst of Plant Physiology im K. A. Timiryazev of the Acad Sci USSR), 110 copies (KL, No 22, 1959, 112)



KULAYEVA, O.N.; VOROB'YEVA, I.P.

Made of action of kinetin on protein synthesis. Fiziol. rast. 9 no.1:106-108 '62. (MIRA 15:3)

1. K.A.Timiriazev Institute of Plant Physiology, U.S.S.R. Academy of Sciences, Moscow.

(Protein metabolism) (Kinetin)

KULAYEVA, O.N.; SVESHNIKOVA, I.N.; KLYACHKO, N.L.; POPOVA, E.A.

Reduction of the protein-number acid metabolism in severed leaves during their virescence under the influeence of kinetin. Dokl.

AN SSSR 152 no.6:1475-1478 0 '63. (MIRA 16:11)

1. Predstavleno akademikom A.L. Kursanovym.

"Kinin-induced resteration of metabolic disturbances of yellow leaves."

report submitted for 10th Intl Botanical Cong, Edinburgh, 3-12 Aug 64.

AS USSR, Moseow.

Current trends in the development of botany; based on materials from the 10th Internetional Botanical Congress. Usp. sovr. hiol. 59 no.1:3-11 Ja-F '65. (MIRA 18:3)

KURSANOV, A.L.; KULAYEVA, O.N.; SVESHNIKOVA, I.N.; POPOVA, E.A.; BOLYAKINA, Yu.P.; KLYACHKO, N.L.; VOROB'YEVA, I.P.

Restoration of cellular structures and metabolism in yellow leaves under the effect of 6-benzylaminopurine. Fiziol. rast. 11 no.5:838-847 S-0 '64. (MIRA 17:10)

1. Timiriazev Institute of Plant Physiology, U.S.S.R., Academy of Sciences, Moscow.

VIPPER, P.B.; KULAYEVA, O.N.

Tenth International Botanical Congress. Izv. AN SSSR. Ser. biol. no.2:314-318 Mr-Ap *65. (MIRA 18:4)

KLYACHKO, N.L.; KULAYEVA O.N.

Periodicity of protein synthesis in a wild tobacco leaf. Dokl. AN SSSR 164 no.1;216-218 S '65. (MIRA 18:9)

1. Institut fiziologii rastenly im. K.A. Timiryazeva AN SSSR. Submitted August 27, 1964.

KULAYEVA, O.N.; KLYACHKO, N.L.

Effect of quinines on the protein synthesis in leaves. Dokl. AN SSSR 164 no.2:458-461 S '65. (MIRA 18:9)

1. Institut fiziologii rasteniy im. K.A. Timiryazeva AN SSSR. Submitted August 24, 1964.

KULAYEVA, O.N.; POPOVA, E.A.

Quantitative determination of mucleic achis in plant leaves. Fiziol. rast. 12 no.3:558-564 My-Je *65. (MIRA 18:10)

1. Institut fiziologii rasteniy imeni K.A. Timiryezeva AN SSSR, Moskva.

KULAYEVA, O.N.; CHERNYSHEV, Ye.A.; KAYUTENKO, L.A.; DOLGAYA, M.Ye.;
VOROB'YEVA, I.P.; POPOVA, E.A.; KLYACHKO, N.L.

Synthesis and test of the physiological activity of some compounds of the kinin series. Fiziol. rast. 12 no.5:902-908 S-0 '65.

(MIRA 19:1)

1. Institut fiziologii rasteniy imeni Timiryazeva AN SSSR, Moskva i Institut organicheskoy khimii imeni Zelinskogo AN SSSR, Moskva.

KULAYEVA, T.M.

Material on the ecology of the eagle owl (Bubo bubo ruthenus Zhitkov et Buturlin). Izv. Kazan.fil.AN SSSR. Ser.biol.i sel'khoz. nauk no.1: 197-206 '49. (MLRA 10:2)

POPOV, V.A.; VORONOV, N.P.; KULAYEVA, T.M.

Studies of the ecology of shrews (Soricidae) of the Raifa Forest (Tatar A.S.S.R.), Izv.Kazan.fil.AN SSSR.Ser.biol.i sel'khoz.nauk no.2:173-208 150. (MLRA 10:2) (Raifa region-Shrews)

POPOV, V.A.; POPOV, Yu.K.; PRIYEZZHEV, G.P.; KULAYEVA, T.M.; VORONOV, N.P.; GARANIN, V.I.; NAZAROVA, I.V.; IZOTOVA, T.Ye.; KHASOVSKAYA, L.A.

Results of studying the animal kingdom in the flood zone of the Kuybyshev Hydroelectric Power Station. Trudy Kazan. fil. AN SSSR. Ser. biol. nauk no.3:7-217 '54 (MLRA 10:5) (KUYBYSHEV RESERVOIR REGION-ZOOLOGY) (WILD LIFE, CONSERVATION OF)

ETLAYEVA, T. F. -- "The Comparative Ecology of Red Voles of the Tater ACTR." Zoological Inst, Acad Sci MSUR. /caderic Council. Ieningrad, 1956.

(Dispertation for the Degree of Candidate in Phological Sciences).

S0: Knizhneva Letopis", No 9, 1956

KULAZHENKO, A.

Our experience in the utilization of drained lands. Gidr. i mel. 15 no.9:30-33 S :63. (MIRA 17:1)

l. Predsedatel' kolkhoza imeni Kirova Pinskogo proizvodstvennogo upravleniya BSSR.

KULAZHENKO, A.

Brief news. Metallurg 5 no.2:22 F '60.

(Metallurgical plants)

(Matallurgical plants)

KULAZHENKO, Aleksey Nikolayevich[Kulazhenka, A.M.]; AREKHAU, V.I. red.; ZEN'KO, M.M., tekhn. red.

[High potato yields in peat soils] Vysoki uradzhai bul'by na tarfinikakh. Minsk, Dziarzh. vyd-va sel'skahaspadarchai litry BSSR, 1962. 11 p. (MIRA 15:11)

1. Starshina kolkhoza imeni Kirova Lagishinskogo rayona Brestskoy oblasti (for Kulazhenko). (Potatoes) (Peat soils)

KHERSONSKIY, G.R.; KULAZHENKO, M.I. (Odessa)

Clinical aspects, pathogenesis, and immediate and late results of operative treatment of cholesteatomas following tuberculous meningitis. Vrach. delo no.2:82-86 F'64 (MIRA 17:4)

1. Tuberkulezno-meningitnoye i neyrokhirurgicheskoye otdeleniye Odesskoy oblastnoy bol'nitsy i klinika nervnykh bolezney Odessko-go meditsinskogo instituta.

KULAZHENKO, M. I., KHERSONSKIY, G. R. (Odessa)

Cholesteatomas in the area of the cauda equina following tuberculous meningitis. Vop. neirokhirurgii no.3:27-31 162.

(MIRA 15:7)

1. Neyrokhirurgicheskoye i tuberkulezno-meningitnoye otdeleniye (G. R. Khersonskiy) oblastnoy bol'nitsy i klinika nervnykh bolezney Odesskogo meditsinskogo instituta.

(SPINAL CORD_TUMORS) (MENINGES_TUBERCULOSIS)

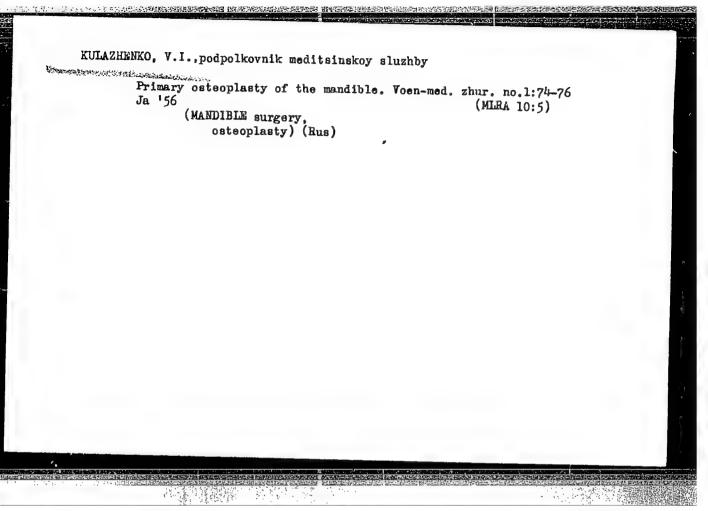
"APPROVED FOR RELEASE: 08/23/2000

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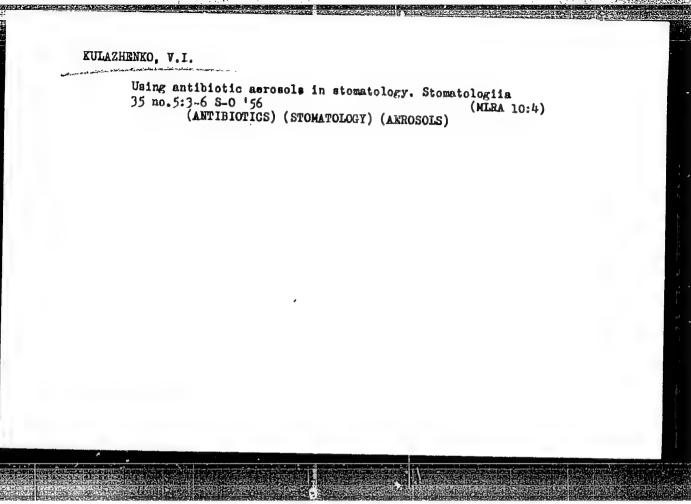
KULaZH-NKO, V.I. (Simferopol').

All-steel permanent dental prosthesis. Stomatologiia no.1:55-60
Ja-F'54. (MLRA 7:1)

(Teeth, Artificial)



Intraceseous fixation of hollow bone fractures with acrylate-metal rods. Voen.med.zhur. no.12:51-55 D'56. (MIRA 10:3) (FRACTURES, surg. intraceseous fixation of hollow bone fract. with acrylate-metal rods)



APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000927330001-6"

KULAZHENKO, V.I., podpolkovník meditsinskoy sluzhby

Splint for treating fractures of the maxilla and bones of the nose.

Voen.-med.zhur. no.9185-88 S '59.

(MAXILIA, fract. & disloc.)

(NOSE, fract. & disloc.)

KULAZHENKO, V.I. (Odessa)

Treatment of parodontosis with local negative pressure. Stomatologila 38 no.4:17-23 Jl-Ag '59. (MIRA 12:12) (GUMS--DISEASES) (DENTAL INSTRUMENTS AND APPARATUS)

KULAZHENKO, V.I., podpolkovnik med.sluzbby

Primary and delayed replanting of teeth and roots. Vrach.delo no.2:159-164 F '60. (MIRA 13:6)

1. Okruzhnaya stomatologicheskaya poliklinika Odesskogo voyennogo okruga.

(TEETH--TRANSPLANTATION) (DENTAL INSTRUMENTS AND APPARATUS)

ARYAYEV, L.N., kand.med.nauk; KULAZHENKO, V.I. (Odessa)

Nitrogen oxide anesthesia at the stage of analgesia during stomato-

logic operations by means of a portable anesthetic apparatus.

Stomatologiia 40 no.4:39-42 Jl-Ag '61. (MIRA 14:11)

(ANESTHESIA) (NITROGEN OXIDE) (STOMATOLOGY)

KULAZHENKO, V.I., kand.med.nauk

Visual devices for teaching orthopedic stomatology. Stomatologiia 42 no.2:76-78 Mr-Ap'63 (MIRA 17:3)

1. Iz kafedry ortopedicheskoy stomatologii (zaveduyushchiy V.I.Kulazhenko) Odesskogo meditsinskogo instituta.

(MIRA 18:2)

Our efforts to control vibration. Bezop. trude v prom. 8

no.11:25-26 N '64.

l. Rudnik im. Dzerzhinskogo krivorozhakogo basseyna.

KULAZHENKO, W.E. (Minak)

Viral influenza in fetuses and newborn infants. Arkh. pat. no.11:12-18 64. (MIRA 18:11)

l. Kafedra patologicheskoy anstomii (zav. - prof. Yu.V. Gul'kevich) Minskogo meditsinskogo instituts.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000927330001-6"

ACCESSION NR: AP4039700

S/0051/64/016/006/0936/0940

AUTHORS: Striganov, A. R.; Kulazhenkova, N. A.

TITLE: The isotopic shift in the spectrum of the singly ionized samarium atom

SOURCE: Optika i spektroskopiya, v. 16, no. 6, 1964, 936-940

TOPIC TAGS: samarium, atomic spectrum, isotopic shift, electron configuration, level transition, ionization phenomena

ABSTRACT: On the basis of earlier results by one of the authors (A. R. Striganov, V. A. Katulin, V. V. Yeliseyev, Opt. i spektr., v. 12, 171, 1962), which disclosed new interesting features in the isotopic shift of SmI, a more detailed measurement was made, with the aid of separated isotopes, of the isotopic shift between the components of even-even samarium isotopes on eight lines of SmII. The apparatus and the enriched samarium isotopes were the same as in the

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ACCESSION NR: AP4039700

earlier investigation. A hollow-cathode discharge tube was used as the light source. The relative isotopic shift was shown to be different on lines with positive and negative displacements. It was established that the isotopic shift in the levels of the electron configuration 4f⁵5d6s is double that for the 4f⁶6s levels, owing to peculiarities in the screening of the 6s-electrons. The electron configurations of 28 upper levels were obtained from the isotopic shift data. "The authors are grateful to student D. A. Volkov for participating in the measurements of several spectrograms." Orig. art. has: 2 figures and 2 tables.

ASSOCIATION: None

SUBMITTED: 04Apr63

DATE ACQ: 24Jun64

encl: 03

SUB CODE: NP

NR REF SOV: 003

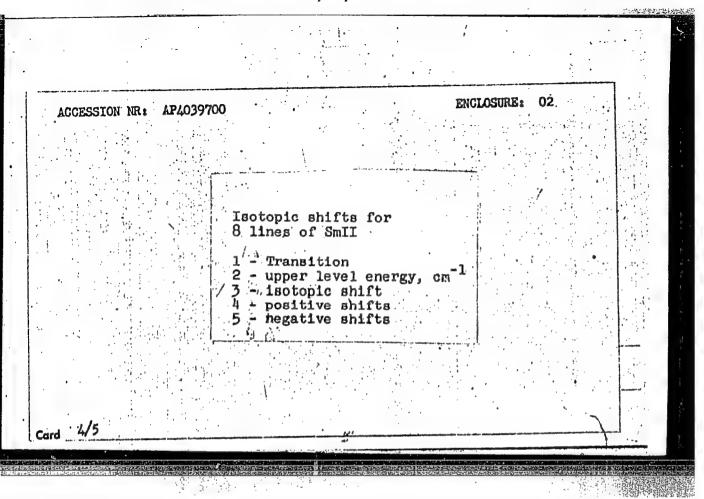
OTHER: 007

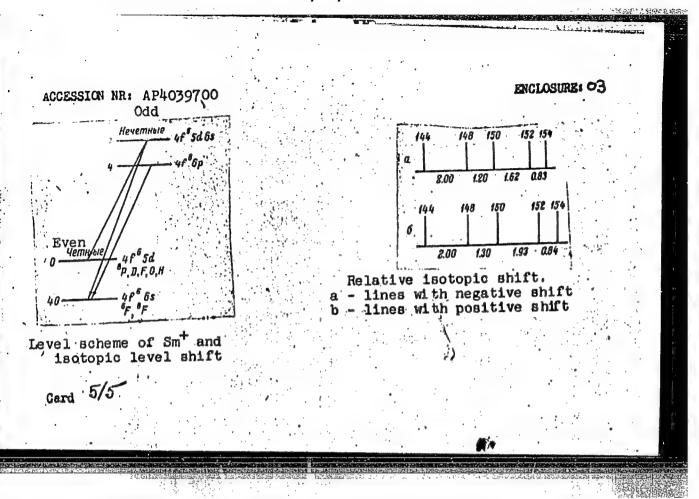
Card ... 2/5

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927330001-6

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			Uneprnn	3 Изотопическое сисшение, 10 ⁻³ см ⁻¹			-I CH-I			1
	2, A	Пореход	2 см-1	(144—148)	(145—150)	(150—182)	(152—154)	• • •		
		Отрицательные сдвиги 4	26506	81.4	52.2	65.3	33.8			
•	4434.32	$4f^{6}6sa^{8}F_{11j_{1}} - 4f^{6}6p56_{11j_{1}}^{0}$ $4f^{6}6sa^{8}F_{11j_{2}} - 4f^{6}6p43_{1j_{1}}^{0}$,25598	.79.2	47.5	65.2	32.0			
	:	4/66sa6F _{9js} — 4/66p56 ⁹ н _{дз} . Положительные сдвиги .	26506	96.7	55.0	77.2	40.6			
	4403.36	4/66 * a 6 P 1/4 - 4/55 d 6 * 20 1/4	24222	78.7	50.2; 42.3	75.7	28.4 26.1			
		$4/^{6}6sa^{6}F_{s_{j_{0}}} - 4/^{6}5d6s20^{0}_{l_{1}}$ $4/^{6}6sa^{6}F_{s_{j_{0}}} - 4/^{6}5d6s19^{0}_{l_{2}}$	24222 24194	63.7 104.8	65.9	63.8 95.8	45.4			
	4537.95	4/66sa4Fu/s - 4/65d6s460/s	24940	83.1 186.0	- 57.3 114.5	. 84.3 162.8	36.5 84.7/			
	6569.31	4/85da8Hn/, 4/85d6875?1,	27263	100.0	117.0	102.0				
rd 3/5				•	•					,





STRIGANOV, A.R.; KULAZHENKOVA, N.A.

Isotopic shift in the spectrum of the singly ionized samarium atom. Opt. i spektr. 16 no.6:936-940 Je '64. (MIRA 17:9)

Increased phagocytic activity of the leucocytes in carp under the influence of levomycetin. Antibiotiki 7 no.1:50-52 Ja '62.

(NIRA 15:2)

1. Ukrainskiy nauchno-issledovatel'skiy institut rybnogo khozyaystva Ukrainokoy akademii sel'skokhozyaystvennykh nauk

(LEVOMYCETIN)

(PHAGOCYTOSIS)

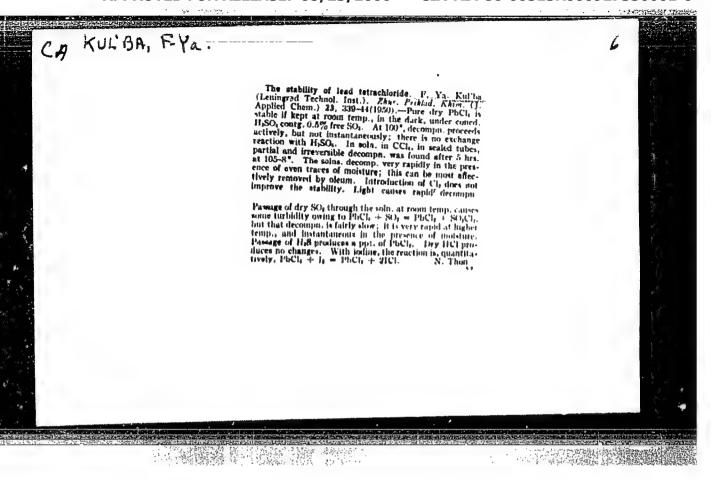
OLSUF'YEV, N.G.; TSVETKOVA, Ye.M.; BORODIN, V.P.; KOROLEVA, A.P.; SIL'CHENKO, V.S.; KHOROSHEV, I.G.; MYASNIKOV, Yu.A.; PERFIL'YEVA, Z.A.; KRATOKHYIL' N.I.; VAYSTIKH, M.A.; RAVDONIKAS, O.V.; BARANOVA, N.K.; ZIMINA, V.Ye.; TORMASOVA, L.N.; USTIN-PETROVA, T.F.; AREF'YEV, S.S.; KONKIHA, N.S.; KUL'BA, A.P.; MAL'TSEVA, N.K.; SHELANOVA, G.M.; SORINA, A.M.; BRANITSKAYA, V.S.; PRUDNIKOVA, M.N.

Tularin from a vaccinal strain for epicutaneous use. Zhur. mikro-biol.epid. i immun. 27 no.9:22-28 S '56. (MLRA 9:10)

1. Iz Instituta epidemiologii i mikrobiologii im. N.F.Gamelei AMN SSSR i protivotuliaremiynykh stantsiy Stalingradskoy, Voronezhskoy, Tul'skoy, Plavskoy, Omskoy, Krasnodarskoy, Moskovskoy i Smolenskoy. (TULAREMIA, diagnosis, tularin epicutaneous test (Rus))

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CIA-RDP86-00513R000927330001-6

Kulba F. Va.

USSR/Chemistry - Heat of formation

Card 1/1

Pub. 151 - 2/37

Authors

: Kuliba, F. Ya.

Title

· Description of the company : Thermal effect of reaction of PbCl₂ (cr) + Cl₂ (g) PbCl₄ (liq) and the standard heat of formation of PbCl₄ (liq).

Periodical : Thur. ob. khim. 24/10, 1700-1710, Oct 1954

Abstract

: The heats of reaction of $PbCl_{L}$ (liq) + J_{2} (sol) $\rightarrow PbCl_{2}$ (cr) + 2JCl (sol) and J_{2} (sol) + Cl_{2} (g) \rightarrow 2JCl (sol), were investigated at standard conditions. The thermal effect of both reactions was established to be exothermal. The heat of formation of lead tetrachloride from crystalline lead chloride and gaseous chlorine, was established on the basis of experimental data. Also the standard heat of formation of PbCl (liq) from simple substances was determined from the experimental data. The thermal effect of a solution of lead tetrachloride in carbon tetrachloride is explained. Six references: 5-USSR and 1-USA (1922-1954). Tables; drawings.

Institution: The Lensoviet Technological Institute, Leningrad

Submitted : April 10, 1954

AUTHOR:

Kul'ba, r. Ya and Mironov, V.E.

556

TITLE:

Thallium Triiodide and other products of the iodination of

Thallium Iodide. (Triiodid Talliya i Drugie Produkty Iodirovan-

iya Talloiodida).

PERIODICAL:

"Zhurnal Neorganicheskoy Khimii" (Journal of Inorganic Chemistry) Vol.11, No.2, pp.244-252, 1957. (U.S.S.R.)

ABSTRACT:

The aim of this work was to study the iodination of TlI, to check methods of separating thallium triodide, to determine its structure and to explore the possibility of the existence of higher polyiodides of thallium. It has been shown that in the iodination of ThI in CH_OH to ThI, the only intermediate product is a compound which has the simplest formula This Thallium penta-iodide has been isolated and a method for its synthesis found. This is the highest iodide produced by iodination of Thi in CH,OH. Drying of polyiodides was best carried out at room temperature in air to constant loss of weight in unit time. It has been shown that TII . I, exists in alcoholic solution in a state of tautomeric equilibrium, and that crystals of thallium triiodide are Th [I.I.]. The compounds ThI3.C4H8O2 and KI3.C4H8O2 have been isolated for the first time It has been shown that in the formation of CI, in aqueous solutions and TII3 in alcoholic solutions complete isotopic exchange between ions and molecular-iodine atoms takes place in 8-10 minutes. Complete isotopic exchange was also found in the

Card 1/2

Thallium Triiodide and Other Products of the Iodination of Thallium Iodide (cont.)

Polyiodides TII3, TII5 and KI5, the preparation of which by the iodination of TII and KI by gaseous iodine took place over 12-14 hours.

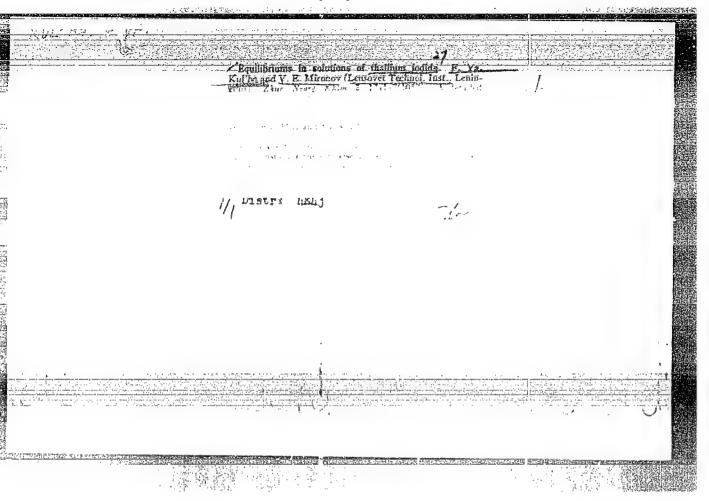
There are 16 references of which 4 are Russian. Received 26th September, 1956.

Card 2/2

KUL'BA, F.Ya.; MIRONOV, V.Ye.

Equilibriums in thallium iodide solutions, Zhur. neorg. khim. 2 no.8: 1741-1747 Ag 157. (MIRA 11:3)

l. Leningradskiy tekhnologicheskiy institut im. Lensoveta. (Thallium iodide) (Tautomerism)



KUL'BA, F.Ya.; MIRONOV, V.Ye.

The second secretarior and the second second

Formation of univalent thallium in solutions of complex iodides.
Report No.1. Zhur. neorg. khim. 2 no.12:2734-2740 D '57. (MIRA 11:2)

1. Leningradskiy tekhnologicheskiy institut im. Lensoveta. (Thallium) (Solubility) (Iodides)

SOV/78-3-8-22/48

AUTHORS:

Kul'ba, F. Ya., Mironov, V. Ye., Lyalin, O. O.

TITLE:

On the Formation of Complex Bromides of Monovalent Thallium (Ob obra ovanii kompleksnykh bromidov odnovalentnogo talliya)

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1958, Vol. 3, Nr 8, pp. 1851-

1854 (USSR)

ABSTRACT:

The solubility of thallium-(I)-bromide in solutions of bromides of lithium, sodium, potassium and cesium in different concentrations (0,2 - 7,0 N) were determined at 25°C. The solubility of the thallium-(I)-bromide in solutions of sodium bromide at constant ionic degree was determined. The following compounds were isolated with cesium bromide and then analyzed: CsTlBr2 and CsTlBr3. The stability constant of the complex ions TlBr, TlBr2, TlBr3 2-, TlBr4 was determined in LiBr, NaBr, KBr and CsBr. In lithium bromide the stability constant for Tlbr=0,09,

for $TlBr_2^- = 0.17$, for $TlBr_3^{2-} = 0.85$, in sodium bromide solutions

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for TlBr = 0,12, for TlBr $_2$ = 0,16; in potassium bromide

CIA-RDP86-00513R000927330001-6" APPROVED FOR RELEASE: 08/23/2000

SOV/78-3-8-22/48 On the Formation of Complex Bromides of Monovalent Thallium

solutions for TlBr = 0,12, for TlBr₂ = 0,12, for TlBr₃ $^{2-}$ = 0,40;

in cesium bromide solutions for TlBr = 0,09, for TlBr = 0,10,

for $T1Br_3^{2*} = 0,23$.

The different solubility of the thallium-(I)-bromide in concentrated solutions of the bromides of sodium, potassium and cesium is due to the different tendency to form complexes. There are 3 tables and 6 references, 6 of which are Soviet.

ASSOCIATION: Leningradskiy tekhnologicheskiy institut im. Lensoveta (Lenin-

grad Technological Institute imeni Lensovet)

SUBMITTED: July 8, 1957

Card 2/2

"APPROVED FOR RELEASE: 08/23/2000 C

CIA-RDP86-00513R000927330001-6

AUTHORS:

Kul'ba, F. Ya., Mironov, V. Ye.

SOY /78-3-11-10/23

TITLE:

III. On the Formation of the Complex Iodides of Univalent Thallium in Solutions (III. Ob obrazovanii v rastvorakh

kompleksnykh yodidov odnovalentnogo talliya)

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1958, Vol 3, Er 11,

pp 2480 - 2486 (USSR)

ABSTRACT:

The composition and the stability constant of the complexes of the thallium iodides formed in solution were investigated. The solubility of thallium was determined in solutions of potassium iodide at temperatures of 20, 30, 40, 50, 60 and 70°C and was compiled in the tables 1,2,3,4,5, and 6. The solubility of thallium iodide in solutions of magnesium iodide and barium iodide was as well investigated at 25°C. The results show that the solubility of thallium iodide in potassium iodide rises considerably under the formation

of complexes with an increase in temperature from 20 to 70°C. The stability of the complexes of the thallium iodides is reduced with an increase in temperature. The

Card 1/3

III. On the Formation of the Complex Iodides of Univalent Thallium in Solutions

807/78-3-11-10/23

formation of complex iodides proceeds according to the following reactions:

$$T1^{+}+2 J^{-} \rightleftharpoons T1J_{2}^{-}; Q_{2}$$
 $T1^{+}+3 J^{-} \rightleftharpoons T1J_{3}^{2-}; Q_{3}$
 $T1^{+}+4 J^{-} \rightleftharpoons T1J_{4}^{3-}; Q_{4}$

Q₂, Q₃,and Q₄ denote the formation heat of the thallium iodide complexes. The orienting values of the formation heat of the thallium iodide complexes were calculated and given in table 1. The results obtained show that the formation heat increases with an increase in temperature. The solubility products were determined at temperatures of 20,30,40,50,60 and 70°C. The difference in the stability of the complexes of thallium (I) iodide in the solutions of various metal iodides is caused by the influence of the complex formers on the

Card 2/3

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000927330001-6 的现在,我们就是这个人的,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是 第一章 "我们是我们是我们的人,我们就是我们们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们就是我

III. On the Formation of the Complex Indides of Univalent Thallium in Solutions

807/78-3-11-10/23

inner sphere of the cations in the solutions. In the inner sphere of the complexes the cations compete with the thallium ions for the binding of iodine ions. There are 12 tables and 2 references, 1 of which is Soviet.

ASSOCIATION: Leningradskiy tekhnologicheskiy institut im. Lensoveta

(Leningrad Institute of Technology imeni Lensovet)

SUBMITTED:

October 2, 1957

Card 3/3

CIA-RDP86-00513R000927330001-6" APPROVED FOR RELEASE: 08/23/2000

5(4) AUTHORS:

Kuliba, F. Ya., Miroruv , Y. Ye.

sc-v/78-4-4-9/44

TITLE:

Complex Compounds of Trivalent Thallium With 2-21-Dipyridyl (Kompleksnyye soyedineniya trekhvalentnego talliya s 2-21-di-

piridilom)

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 4, pp 761-763

(USSR)

ABSTRACT:

The complex compounds of thallium nitrate with two and three molecules of 2-2*-dipyridyl were prepared as colorless, easily soluble salts. The solubility of the first compound in water at 25° is 0.09±0.01 mol/1. The molecular electric conductivity of the first compound at pH 3.5 is 382 ohm. 1, while that of the complex thallium compound with three molecules of 2-2:-dipyridyl is 378 ohm. 1. The electric conductivity in aqueous solution shows that the compounds dissociate into 4 ions and have the structures [TID92](NO3)3 and

[TIDP3](NO3)3. To determine the stability of the complex ion

TlDp3+ the redox potential was investigated. The general

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stability constant of the TlDp3+ion was determined using the

Complex Compounds of Trivalent Thallium With 2-2'-Dipyridyl

SOV/78-4-4-9/44

following equation: $K_{\text{TlDp}_{3}^{3+}} = \frac{\left(\frac{3+\log 3}{2}\right)^{3}}{\left[\frac{1}{2}\right]^{3+1}} = (5\pm 2.5).10^{-26}.$

The synthesis of the complex compound with 3 molecules of 2-2'-dipyridyl was darried out by dissolving [TlDp](NO3)3 in a solution of 2-21-dipyridyl. Finally, the compound formed was precipitated with a saturated solution of 2-2'-dipyridyl in diethyl ether. The yield with this method is 85-95 %. The nature of the exchange of $[TlDp_2](NO_3)_3$ with potassium halides and sodium perchlorate was investigated. The experiments show that potassium chloride and sodium perchlorate cause the TlDp2 (NC3)3 to precipitate as the complex compounds TIDP2 (ClO4)3 and TlDp2Cl3. Potassium bromide causes [TlTp2](NO3)3 to form the complexes TlDp2Br3 and TlDpBr3. Potassium iodide causes the complex [TlDpJ2] J to form. A table gives the compositions of the solutions whose redox potentials were investigated.

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Complex Compounds of Trivalent Thallium With 2-2'-Dipyridyl

SOV/78-4-4-9/44

There are 1 table and 5 references, 1 of which is Soviet.

ASSOCIATION:

Leningradskiy tekhnologicheskiy institut im. Lensoveta (Leningrad Technological Institute imeni Lenscvet). Kafedra

neorganicheskoy khimii (Chair of Inorganic Chemistry)

SUBMITTED:

January 13, 1958

Card 3/3

SOV/78-4-6-30/44 5(2) Kul'ba, F. Ya, Mironov, V. Ye. AUTHORS: Complex Compounds of Trivalent Thallium With 1-10-Phenanthro-TITLE: line (Kompleksnyye soyedineniya trekhvalentnogo talliya s 1-10-fenantrolinom) Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 6, PERIODICAL: pp 1393 - 1397 (USSR) 13 complex compounds of thallium with 1-10-phenanthroline ABSTRACT: and one complex with 2-2-dipyridil were isolated and the products analyzed. The analysis results of these compounds are summarized in table 1. In the case of an interaction between the aqueous solution $\text{TlPh}_n(\text{NO}_3)_3(\text{n=2 or 3})$ and a potassium iodide solution it was found that one iodine ion displaces one or two molecules 1-10-phenanthroline and precipitates a compound of the composition [TlPhJ] J. The solubility of TlPhJ3 in water, alcohol, and especially in aqueous solution of potassium iodide is low. The solubility amounts in water at 25° to 3.10-5 mol/1 and in alcohol to 10-4 mol/1. TlPhJz Card 1/2

Complex Compounds of Trivalent Thallium With 1-10-Phenanthroline

SOV/78-4-6-30/44

can be used for the quantitative determination of thallium. The electric conductivity of the following thallium aminates was carried out in aqueous solutions: TIPh2 (NO3)3, TIPh2Cl2 NO3, TIPH2Cl2 NO

ASSOCIATION: Leningradskiy tekhnologicheskiy institut im. Lensoveta (Leningrad Technological Institute imeni Lensovet) Kafedra neorganicheskoy khimii (Chair of Inorganic Chemistry)

SUBMITTED: March 1, 1958

Card 2/2

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927330001-6"

5.2620

AUTHORS:

Kul'ba, F. Ya., Mironov, V. Ye.

S/078/60/005/02/009/045 B001/B016

TITLE:

The Influence Exercised by the Cations of Alkali Metals Upon Composition and Stability of the Ions $[Tl(CNS)_n]^{1-n}$

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1960, Vol 5, Nr 2, pp 287-291 (USSR)

ABSTRACT:

The authors investigated the solubility of Tl halides in concentrated solutions of halides of alkali- and alkaline-earth metals; in previous papers (Refs 1-4), and found a considerable influence of the nature of the cation upon the solubility. They denoted this phenomenon as the influence of the cation of the outer sphere, and established the order of the alkali- and alkaline-earth cations, in which stability and coordination number of the complex compounds TIHali-n increase. In the

present paper, the same phenomena were investigated in thallium thiocyanates in solutions of Li-, Na-, K-, and Cs-thiocyanate at 25° and concentrations of 0.1 - 9.69 N. In dilute solutions of alkali thiocyanate, the solubility of TICNS decreases in the order CsCNS > KCNS > NaCNS > LiCNS, reaches a minimum at N ~0.5,

Card 1/3

The Influence Exercised by the Cations of Alkali Motals Upon Composition and Stability of the Ions S/078/60/005/02/009/045 B004/B016

 $[Tl(cns)_n]^{1-n}$

and increases rapidly with increasing concentration of the alkali thiocyanate. In this connection, a reversal of the effect of the alkali thiocyanates occurs since in the range of 5 - 8 N the solubility of TICNS in LiCNS is highest, and decreases in the order: LiCNS, NaCNS, KCNS, CSCNS. The influence exercised by the cation of the outer sphere upon the complex formation cannot be explained merely by the change in the activity coefficient. In table 2, the solubility of TICNS in 1 - 8 N NaCNS at constant ionic strength 8 is given, and the specific influence of the ions ClO₄ and NO₃ used for the maintenance of the ionic strength is outlined. Table 3 gives the calculated instability constants. On the strength of own experiments and data in publications, table 4 presents the instability constants of the complexes TlA¹⁻ⁿ in the presence of Na as the cation of the outer sphere (A = CN , F , Cl , Br , J , CNS , ½S₂O₃²). The stability of the complex compounds increases in the order F , CN < Cl < Br , CNS - (J < ½S₂O₃²).

Card 2/3

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927330001-6"

The Influence Exercised by the Cations of Alkali S/078/60/005/02/009/045 Metals Upon Composition and Stability of the Ions B004/B016

[TI(CNS)_n]¹⁻ⁿ

In the tables 5-7, the instability constants K^{V} at varying ionic strength and K^{St} at constant ionic strength for the ions $\left[\text{Tl}(\text{CNS})_{n}\right]^{1-n}$, TlBr_{n}^{1-n} , and TlJ_{n}^{1-n} are compared with one another where the relation is defined by the equation: $K^{St} = K^{V} \cdot C_{n} \cdot C_{n}$ is found to have the constant value of

4.1±0.2, irrespective of the nature of the anion. There are 7 tables and 10 references, 8 of which are Soziet.

ASSOCIATION: Leningradskiy tekhnologicheskiy institut im. Bensoveta Kafedra neorganicheskoy khimii (Leningrad Technological Institute imeni

Lensovet, Chair of Inorganic Chemistry)

SUBMITTED:

September 26, 1958

Card 5/3

KUL'BA, F.Ya.; MIRONOV, V.Ye.

Effect of alkali metal cations on the composition and stability of [TI(CNS)_n]1-n ions. Zhur.neorg.khim. 5 no.2::287-291

F '60. (MIR: 13:6)

1. Leningradskiy tekhnologicheskiy institut imeni Kensoveta Kafedra neorganicheskoy khimii.
(Thallium compounds) (Alkali metals)

KUL'RA, F.Ya.; MIRONOV, V.Ye.

Stability of the ions $TIBr_n^{1-n}$ and TII_n^{1-n} . Zhur. neorg. khim. 5 no.8;1898-1899 Ag *60. (MIRA 13:9)

l. Leningradskiy tekhnologicheskiy institut im. Ler.soveta. Kafedra neorganicheskoy khimii.

(Thallium bromide) (Thallium iodide)

KUL'BA, F. Ya.; MAKASHEV, Yu.A.; MIRONOV, V. Ye.

Complex formation of trivalent thallium with 1,10-phenan-throline and 2,2'-dipryidyl. Zhur. neorg. khim. 6 no.3:630-635 Mr 161. (MIRA 14:3)

1. Leningradskiy tekhnologicheskiy institut imeni Lensoveta.
(Thallium compounds) (Bipyridine)
(Phenathroline)

New complex aminates of trivalent thallium. Zhur.neorg.khim. 6
no.6:1481-1483 Je '61. (MIRA 14:11)

1. Leningradskiy tekhnologicheskiy institut ir. Lensoveta,
Kafedra neorganicheskoy khimii. (Thallium compourds)

KUL'BA, F.Ya.; MIRONOV, V.Ye.; FEDOROV, V.A.

Complex formation of monovalent thallium with alkali metal chlorides. Zhur. neorg. khim. 6 no.7:1586-1591 Jl '61.

1. Leningradskiy tekhnologicheskiy institut imeni Lensoveta, kafedra obshchey khimii.

(Thallium compounds) (Alkali metal chlorides)

"APPROVED FOR RELEASE: 08/23/2000 C

CIA-RDP86-00513R000927330001-6

KUL'BA, F.Ya.; MIRONOV, V.Ye.; KHVOSTOVA, L.B.

Principle of additivity and the series of cationic effect.

Zhur.neorg.khim. 6 no.8:1861-1864 Ag '61. (MIRA 14:8)

1. Leningradskiy tekhnologicheskiy institut imeni Lensoveta, kafedra obshchey khimii.

(Complex compounds) (Ions)

KUL'BA, F.Ya.; MIRONOV, V.Ye.; TROITSKAYA, G.S.; MAKSIMOVA, N.G.

Complexing of bivalent lead with sodium bromide. 2hur.neorg.khim. 6 no.8:1865-1867 Ag '61. (MIRA 14:8)

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000927330001-6

KUL'BA, F.Ya.; MIRONOV, V.Ye.; PAVLOV, V.N.

Effect of alkali metal cations on the formation in solutions of hydroxy complexes of bivalent lead. Zhur.neorg.khim. 6 no.12: 2814-2815 D '61. (MIRA 14:12)

(Lead compounds) (Alkali metals)

KUL'BA, F.Ya.; MAKASHEV, Yu.A.; GULLER, B.D.; KISELEV, G.V.

Study of complex formation between the last (777)

Study of complex formation between thallium (III) and 1, 10-phenanthroline and 2, 2'-bipyridine by the extraction method. Zhur.neorg.khim. 7 no.3:689-690 Mr '62. (MIRA 15:3)

KUL'BA, F.Ya.; MAKASHEV, Yu.A.

Thermochemistry of the complex formation of thallium (III) with 2,2'-dipyridyl and 1,10-phenanthroline in a aqueous solutions.

Zhur.neorg.khim. 7 no.6:1280-1284 Je '62. (MIRA 15:6)

1. Leningradskiy tekhnologicheskiy institut imeni Lensoveta, kafedra neorganicheskoy khimii. (Thallium compounds) (Bipyridine) (Phenanthroline)

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000927330001-6

Calorimetric measurement of the heats of neutralization of 1,10phenanthroline and 2,2'-dipyridyl in aqueous solutions. Zhur.ob.
khim. 32 no.6:1724-1727 Je '62. (MIRA 15:6)
(Phenanthroline) (Bipyridine) (Heat of neutralization)

KUL'BA, F. Ya.; MAKASHEV, Yu. A.

Data on the thermochemistry of thallium (III) complex formation. Zhur.prikl.khim. 35 no.3:663-664 Mr '62. (MIRA 15:4)

 Leningradskiy tekhnologicheskiy institut imeni Lensoveta. (Thallium compounds) (Thermochemistry)

KUL'BA, F.Ya.; CHERNOVA, N.N.

Study of thiocyanate complexes of thallium in aqueous and water-methanol solutions. Zhur.neorg.khim. 7 no.7:1595-1600 Jl *62. (MIRA 16.3)

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